AUTODOC CLUB

How to change rear suspension lower control arm on **AUDI A3 Sportback (8VA, 8VF)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
AUDI A3 Sportback (8VA, 8VF) 1.4 TFSI, AUDI A3 Sportback (8VA, 8VF) 2.0 TDI, AUDI A3 Sportback (8VA, 8VF) 1.8 TFSI, AUDI A3 Sportback (8VA, 8VF) 1.6 TDI, AUDI A3 Sportback (8VA, 8VF) 2.0 TDI quattro, AUDI A3 Sportback (8VA, 8VF) S3 quattro, AUDI A3 Sportback (8VA, 8VF) 35 TDI

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: VW Passat Variant (3C5) 2.0 TDI

REPLACEMENT: REAR SUSPENSION LOWER CONTROL ARM – AUDI A3 SPORTBACK (8VA, 8VF). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #18
- Drive socket # 18
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Hydraulic transmission jack
- Wheel chock

Buy tools

Replacement: rear suspension lower control arm – AUDI A3 Sportback (8VA, 8VF). AUTODOC recommends:

- The replacement procedure is identical for the left and right lower control arms.
- All work should be done with the engine stopped.

REPLACEMENT: REAR SUSPENSION LOWER CONTROL ARM – AUDI A3 SPORTBACK (8VA, 8VF). RECOMMENDED SEQUENCE OF STEPS:

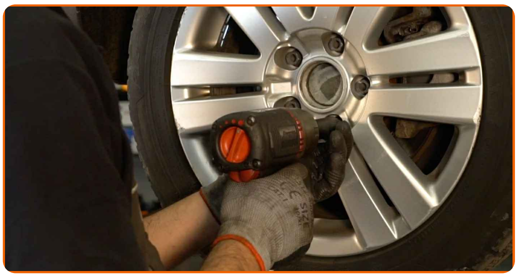
1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



3 Raise the rear of the car and secure on supports.

4 Unscrew the wheel bolts.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. AUDI A3 Sportback (8VA, 8VF)

5

Remove the wheel.



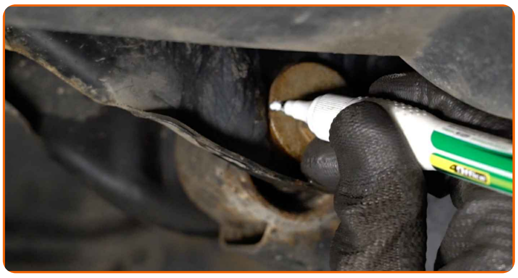
6

Clean all joints of the arm. Use a wire brush. Use WD-40 spray.



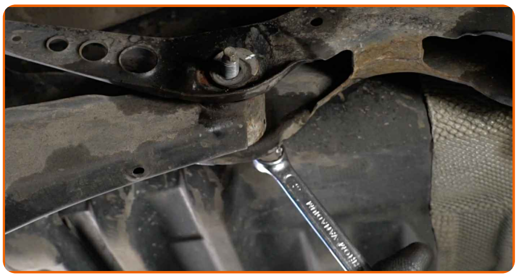
7

Make a mark on the camber adjustment bolt.



8

Unscrew the arm fastening to the beam. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



9

Support the arm. Use a hydraulic transmission jack.



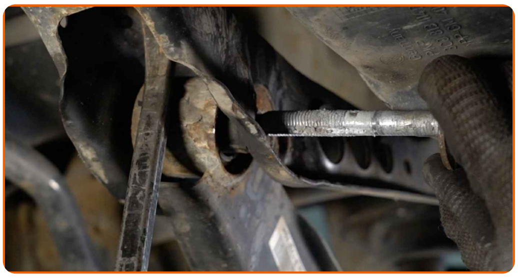
10

Loosen the fastener that connects the control arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



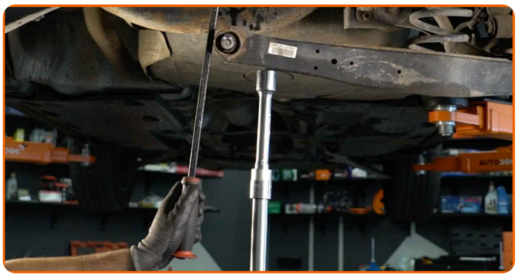
11

Remove the fastening bolt. Use a crowbar.



12

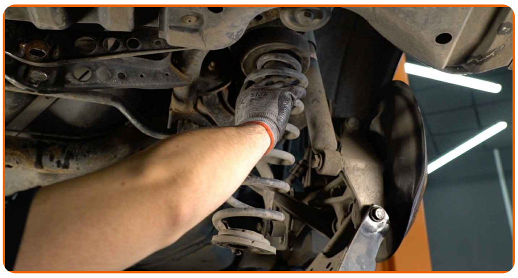
Remove the support from under the arm.



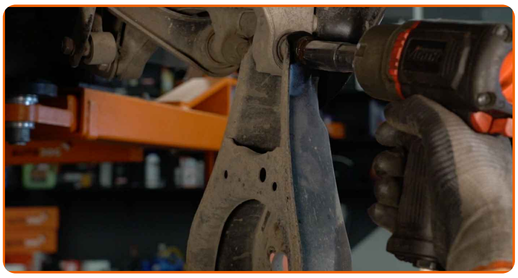
Replacement: rear suspension lower control arm – AUDI A3 Sportback (8VA, 8VF). Tip:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

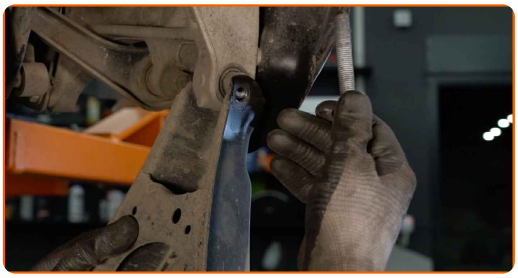
13 Remove the spring.



14 Unscrew the fastener connecting the control arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.

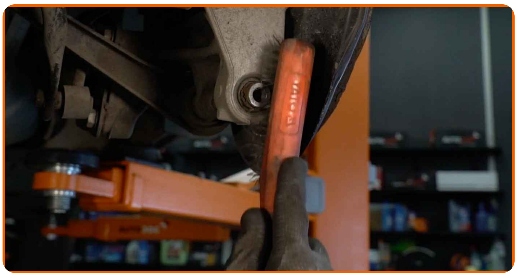


15 Remove the fastening bolt.



16 Remove the arm.

17 Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.



18 Install a new arm.



Replacement: rear suspension lower control arm – AUDI A3 Sportback (8VA, 8VF). Tip from AUTODOC experts:

- During the installation process, use only new bolts and nuts.

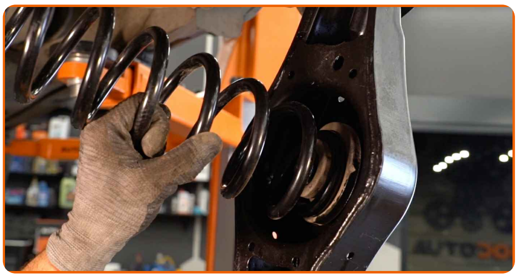
19 Install the fastening bolt.



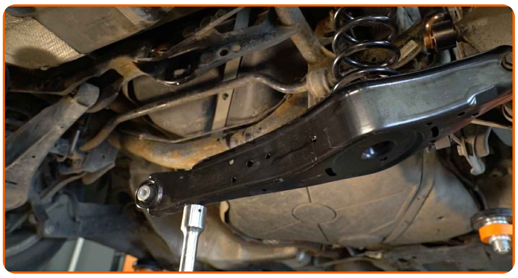
20 Clean the coil spring mounting seats. Use a wire brush. Use WD-40 spray.



21 Install the coil spring together with the rubber mounts into the mounting seats.



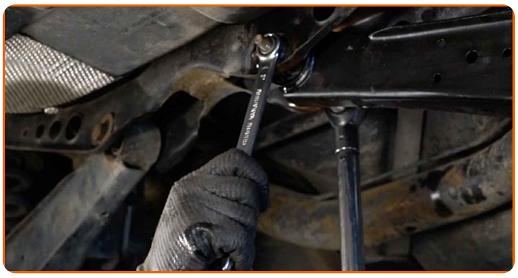
22 Support the arm. Use a crowbar. Use a hydraulic transmission jack.



23 Install the fastening bolt.



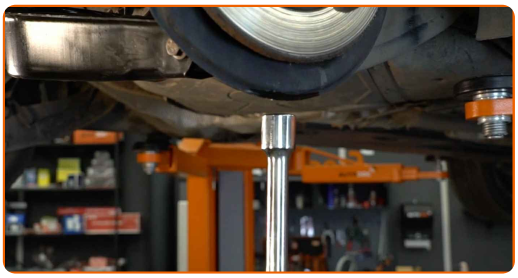
24 Screw in the fastener connecting the control arm to the rear subframe. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



Replacement: rear suspension lower control arm – AUDI A3 Sportback (8VA, 8VF). AUTODOC experts recommend:

- Adjust the position of the alignment bolt according to the mark.

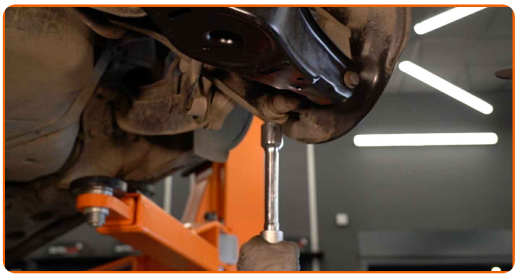
25 Remove the support from under the arm.



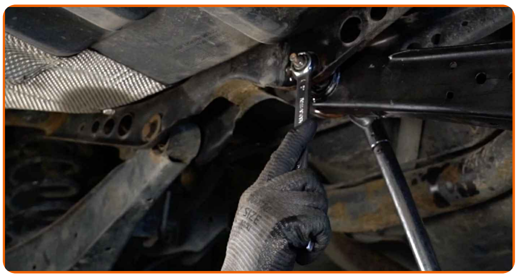
AUTODOC recommends:

- Replacement: rear suspension lower control arm – AUDI A3 Sportback (8VA, 8VF). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

26 Support the stub axle. Use a hydraulic transmission jack.



27 Tighten the arm fastening to the beam. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 95 Nm torque.



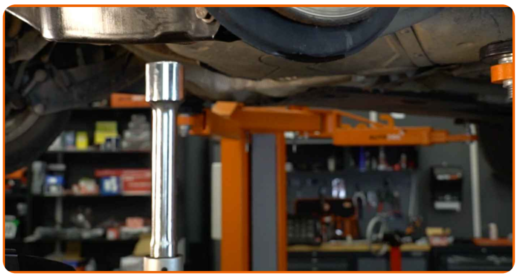
28 Tighten the fasteners connecting the control arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 90 Nm torque.+90°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

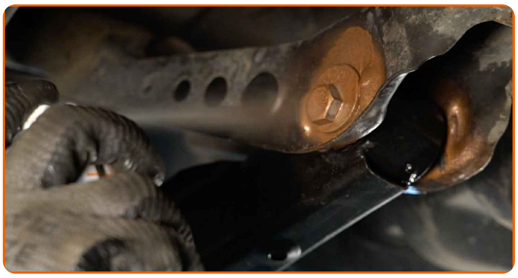
29 Remove the support from under the stub axle.



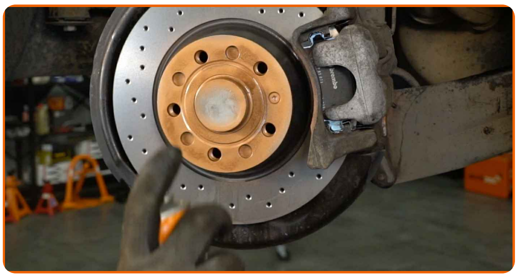
Replacement: rear suspension lower control arm – AUDI A3 Sportback (8VA, 8VF). Professionals recommend:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

30 Treat all joints of the arm. Use copper grease.



31 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



32

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: rear suspension lower control arm – AUDI A3 Sportback (8VA, 8VF). After applying the spray, wait a few minutes.

33

Install the wheel.

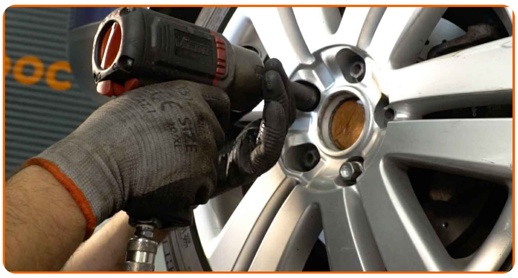


Replacement: rear suspension lower control arm – AUDI A3 Sportback (8VA, 8VF). Tip from AUTODOC:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

34

Screw in the wheel bolts. Use wheel impact socket #17.



35 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.

36 Remove the jacks and chocks.

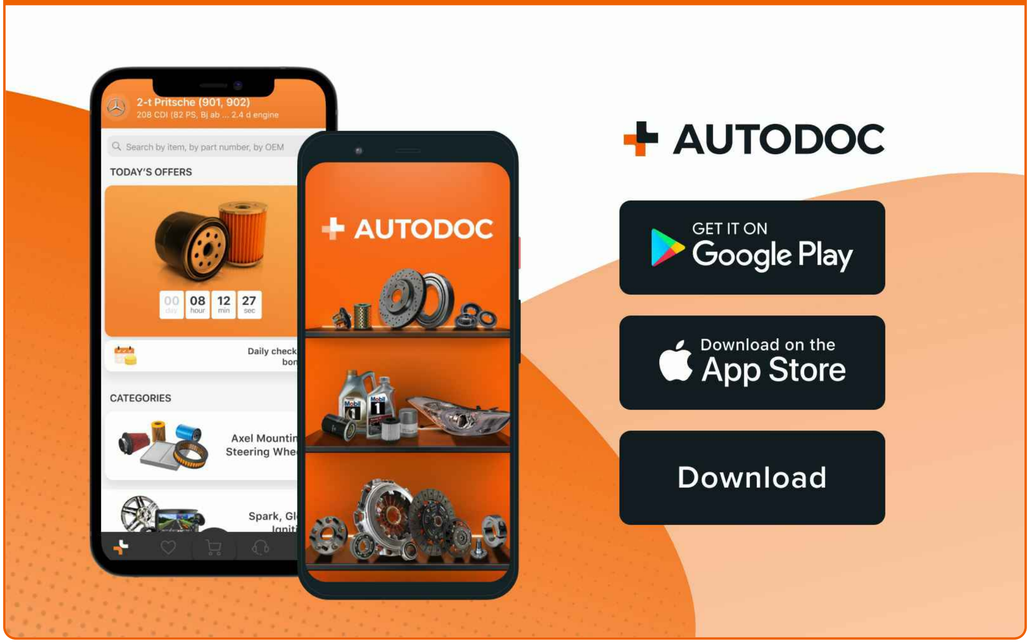


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